

Material properties and specification - at a glance

■ Dekguard S - high performance coating

Specification

The protective coating shall comprise a penetrating silane-siloxane primer & Dekguard S, a single-component, aliphatic acrylic coating, supplied by Fosroc. The total dry film thickness of the coating shall not be less than 150 microns and shall be capable of providing carbon dioxide diffusion resistance equivalent to not less than 500 mm of 30 N grade concrete cover or 250 m of air cover (by the Taywood method). It shall produce zero chloride ion diffusion after 1500 days continuous testing (by the Taywood method) at a nominal dry film thickness of 150 microns. It must exhibit a water vapour transmission resistance (S_p) of not more than 1.90 metres (by the Taywood method) at a nominal dry film thickness of 150 microns. When tested to BS476, Pt 7:1987, it must exhibit a Class 1 spread of flame and achieve a Class 0 Building Regulations rating.

Properties

CO ₂ diffn. :	R > 250 m
	S _c > 500 mm
Chl. diffn. :	Zero after 1500 days testing
H ₂ O trans. :	S _p = 1.90 m
Flame spd. :	Class 1 (to BS476, Pt.7)
Fire rating :	Class 0 (to Building Regs.)

■ Dekguard Filler - intercoat, acrylic pinhole filler

Specification

The intercoat pinhole filler shall be Dekguard Filler, by Fosroc, supplied as a one part acrylic paste. It shall be completely compatible with the Dekguard S protective coating system.

Properties

Bulk density :	1500 kg/m ³
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